



# **GEMS**

## **(Ground Element MEECN System)**

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Slide 1



# Agenda

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- Background
- Way Ahead
- SCA/JTRS  
Compliance



# Background

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- ASD(C3I) Jun. 17, 2003 Letter
  - JTRS/SCA Compliance Above 2GHZ
- OSD/NII (Mr. Frank Christe) Dec. 19, 2003 Meeting with ESC/ND
  - Waiver?



# Way Ahead

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- F. Christie... "Compliance Should Not Be A Problem"
  - Requirement
    - EHF = 6/17/03 Policy Letter & SCA Architecture Document (on <http://jtrs.army.mil> Web Site)
    - UHF = SCA/JTRS
  - GEMS Study Phase Good Place For Industry Compliance Opinion
- ESC/ND Will Meet With OSD/NII To Review Study Results



# SCA/JTRS Compliance

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- UHF LOS-SCA/JTRS Compliant at IOC (mid-FY08)
  - EHF-SCA Compliant at IOC (mid-FY08)
  - AEHF-SCA/JTRS Compliant at FOC (end-FY10)
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# Phase I Study-Desired Output

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- SCA/JTRS Compliance GEMS System Architecture
- Basis of Cost Proposal for GEMS Phase II, Increment 1 & 2 in Then Year Dollars
  - Especially Interested in Recurring Production
- Basis of Cost for Fixed Site Installation & Removal
- GEMS Integrated Master Plan & Schedule
- Demonstration of Unique Technology Relevant to GEMS



# Schedule

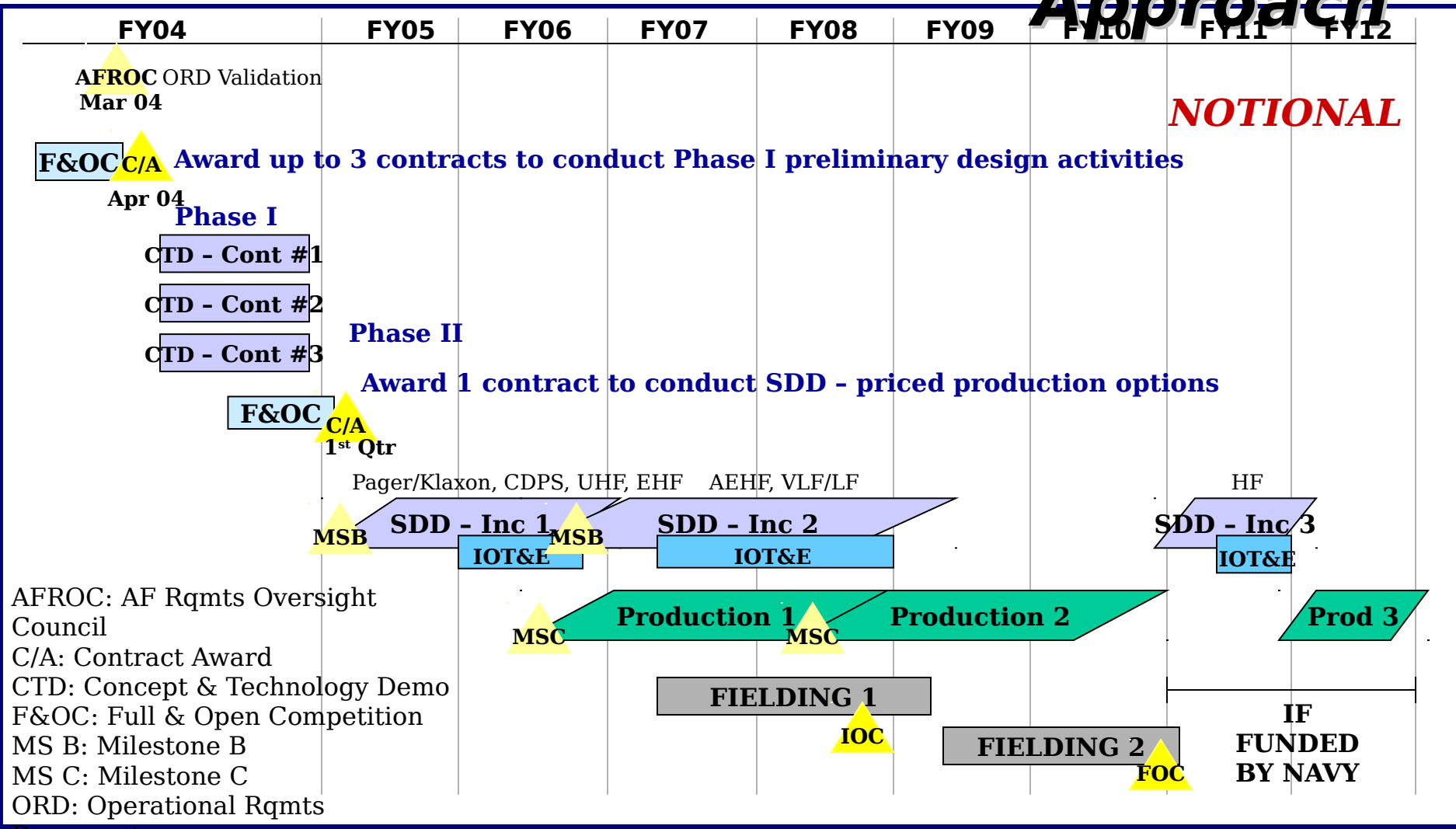
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- Phase I Design Study in FY04
  - RFP ~Feb. 04; Award~Apr. 04
  - 3 Awards of \$2M Each
  - 4 Month Period of Performance
  - Purpose...Understand Phase II Compliance or Need for Waiver
- Phase II, Increment 1 System Development & Demonstration (SDD) and Production in Early FY06
  - Full and Open Competition Leading to 1 Award
- IOC Increment 1...Mid-FY08
  - Pagers, Klaxons, CDPS (Comm Data Proc Sys), UHF and EHF
- FOC Increment 1 & 2...Late-FY10
  - Above Plus AEHF and VLF/LF
- Option for HF in FY11-12 (if Funded by Navy)
- Industry/ESC One-On-One Meetings 1/5-8/04



# GEMS Acquisition Strategy

## ***Multiple Award Two Phase Approach***



AFROC: AF Rqmts Oversight Council  
C/A: Contract Award  
CTD: Concept & Technology Demo  
F&OC: Full & Open Competition  
MS B: Milestone B  
MS C: Milestone C  
ORD: Operational Rqmts

Document  
SDD: System Development & Demo